.-online.com antibodies

Datasheet for ABIN359508 anti-NPX1 antibody (Middle Region)

3 Images



Overview

Quantity:	0.4 mL
Target:	NPX1
Binding Specificity:	Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NPX1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the Center region of rat NP1.
Isotype:	Ig Fraction
Specificity:	This antibody detects NP1 (Nptx1) at center.
Purification:	Protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.

Target Details

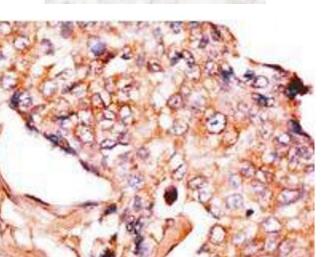
Target:	NPX1
Alternative Name:	Neuronal Pentraxin-1 (NPX1 Products)

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Target Details	
Background:	NPTX1 is a member of the neuronal pentraxin family. Human neuronal pentraxin 1 is similar to rat NP1 which is a binding protein for the snake venom toxin taipoxin.Synonyms: NP1, Neuronal pentraxin-1, Nptx1
Molecular Weight:	47085 Da
Gene ID:	266777, 10116
UniProt:	P47971
Pathways:	Carbohydrate Homeostasis, Regulation of Cell Size, Signaling Events mediated by VEGFR1 and VEGFR2, Smooth Muscle Cell Migration, Platelet-derived growth Factor Receptor Signaling, VEGFR1 Specific Signals, SARS-CoV-2 Protein Interactome
Application Details	
Application Notes:	ELISA 1: 1,000. Western blot 1: 50 - 1: 100. Immunohistochemistry 1: 50 - 1: 100. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS with 0.09 % (W/V) sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody at 2 - 8 °C up to one month or (in aliquots) at -20 °C for longer.

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Immunohistochemistry (Paraffin-embedded Sections)

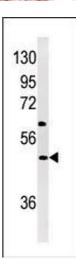
Image 1. Formalin-fixed and paraffin-embedded human brain tissue reacted with NP1 (Nptx1) Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Formalin-fixed and paraffin-embedded human breast carcinoma reacted with anti-NP1 (Nptx1) Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Western Blotting

Image 3. Western blot analysis of anti-NP1(Nptx1) Antibody (Center) in Jurkat cell line lysates ($35 \mu g$ /lane). NP1(arrow) was detected using the purified Pab (1:60 dilution).



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